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Marka Summer

[§§ 12469 to 12524.]

[Issued with Army Orders, dated 1st December, 1904.]

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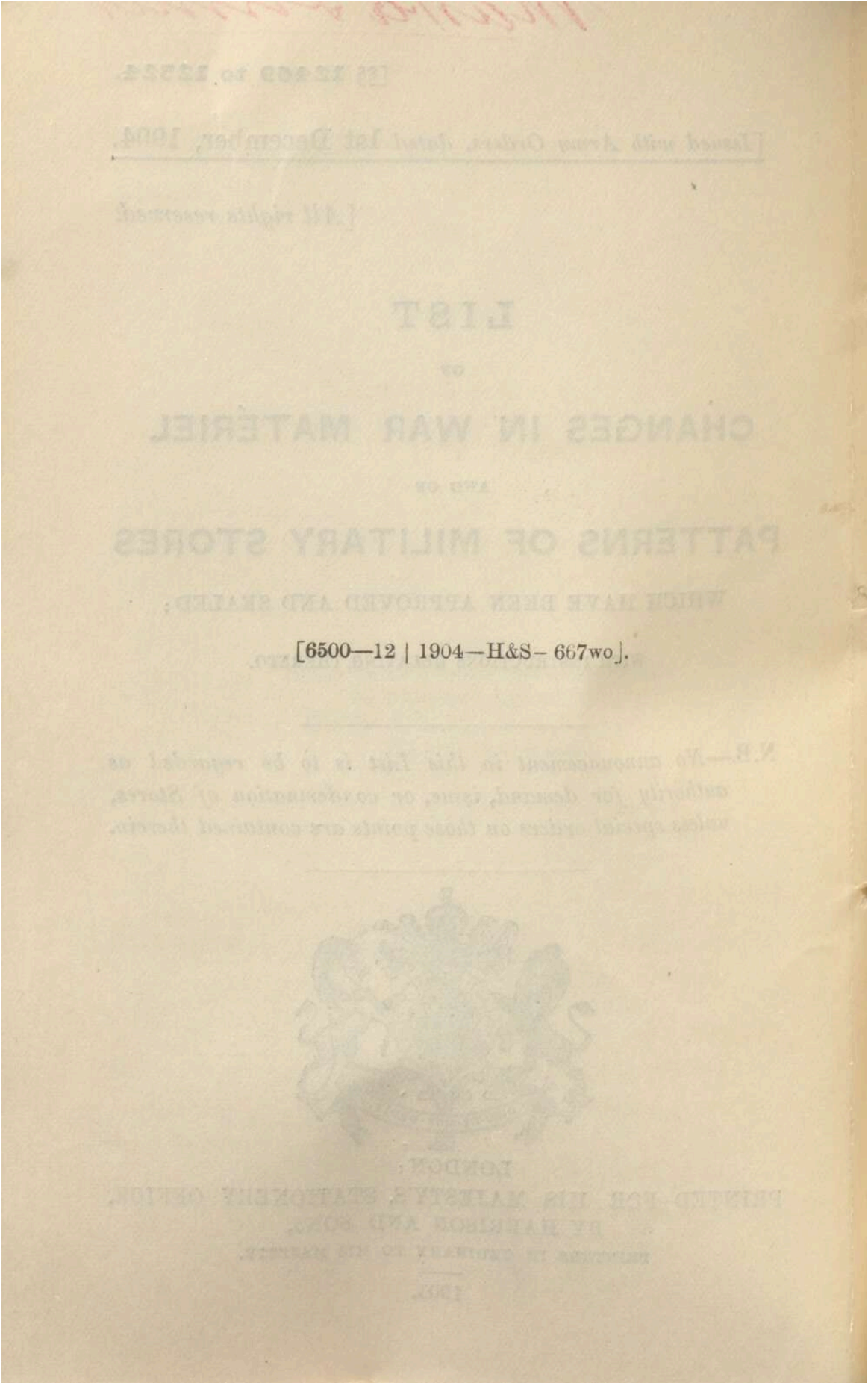
LIST
OF
CHANGES IN WAR MATÉRIEL
AND OF
PATTERNS OF MILITARY STORES
WHICH HAVE BEEN APPROVED AND SEALED;
WITH INSTRUCTIONS RELATING THERETO.

N.B.—No announcement in this List is to be regarded as authority for demand, issue, or condemnation of Stores, unless special orders on those points are contained therein.



LONDON:
PRINTED FOR HIS MAJESTY'S STATIONERY OFFICE,
BY HARRISON AND SONS,
PRINTERS IN ORDINARY TO HIS MAJESTY.

1904.



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2. Nomenclature.		
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2. Nomenclature.		
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1011 1st December, 1904.

[§§ 12469 to 12524.]

12469.—Range tables.

Revised range tables for 12·5-inch R.M.L. guns of the following
Marks have been prepared and issued to officers concerned :—

19th Sept. 1904.

40

W.O.

120

Mark I. gun (unchambered)—

Charge— $42\frac{5}{16}$ lb. cordite, size 20.Projectile—studless, with automatic gascheck ; weight,
820 lb.

Mounting—wrought iron, garrison.

Mark II. gun of 38 tons (chambered)—

Charge—62 lb. cordite, size 15.

Projectile—studless, Palliser shell ; weight 820 lb.

Mounting—iron, garrison.

(WEEDON SECTION.)

12470.—Cuirass—

Back. (Mark II.)	..	L	} Steel, with studs, washers, lining and edging.
Front. (Mark II.)	..	L	

Straps—

Shoulder (2). (Mark
II.)L Leather, with plates,
scales, and studs.

Waist. (Mark II.)..

L Buff leather, in two
parts, with buckle.

Patterns of the above-mentioned articles have been sealed to
govern future manufacture.

27th Sept. 1904.

54

Cavalry

621

The "Cuirass, back and front," and "Straps," differ from the
Mark I. pattern (§ 2927) in small manufacturing details only.

(WOOLWICH SECTION, No. 1.)

12471.—Bandolier equipment,
pattern 1903—Carrier, greatcoat.
(Mark II.).. .. .

L Web.

26th Oct. 1904.

3rd Nov. 1904.

54

Gen. No.

9578

A pattern of the above-mentioned article has been sealed to
govern future manufacture.

(667)

A

1012

It differs from the previous pattern, Mark I. (§ 12389), in the following particulars:—The clips and hooks are of a different design, and the slides are narrower. The loops on the connecting piece are wider to allow the slides to pass through more freely for adjustment. The lead of the brace round the coat is reversed, the web on the double being between the man's back and the coat.

12472.—Case, drum, brass	..	L	Linen ticken, 24 inches deep.
Casks, side drum—			
Double	..	C	To hold two.
Single	..	C	To hold one.
Drum, side, brass	..	C	G.S.

Nomenclature.

30th Sept. 1904. The nomenclature of the above-mentioned articles (§§ 2810 and 2811) has been altered to read as now stated.
 57
 Vocabulary
 6398

(WOOLWICH SECTION, No. 3.)

12473.—Lamps, vehicle—			For Service vehicles.
Left hand. (Mark I.)	..		} With spring bracket, reservoir, burner, and candle socket, to show red and white light.
Right hand. (Mark I.)	..		
Reservoirs—			
Left hand	..	..	} With burner.
Right hand	..	..
Socket, candle	..	..	With spring.

5th Nov. 1903. A pattern of the above-mentioned lamp has been approved to govern future supplies for Service vehicles.
 57
 Gen. No. 4521
 5th Jan. 1904. It is square in shape and is constructed for burning either oil or candles. The bottom is fitted with a candle socket, and one side with a spring bracket on the principle of the motor or bicycle lamp. The front and one side is glazed with clear glass, and the back, which also forms the door, has a piece of red glass in the centre.
 4793
 9th April 1904. The burner takes a 1-inch flat loosely-woven cotton wick.
 4794

1013

(WOOLWICH SECTION, No. 4.)

12474.—Cart, hand, common. (Mark III.) With grease box; man draught.

A drawing (R.C.D. 10034A (1)) of the above-mentioned cart has been approved to govern future manufacture. 16th Jan. 1904.

The cart is generally similar to the Mark II. pattern (§ 6149) but is of lighter construction, and fitted with a pole with a cross handle for man draught, and with front and rear props.

The wheels are 3rd class A, No. 139, 3 feet 6 inches diameter, and the axletree 3rd class A, No. 145.

Dimensions, &c.

					feet. inches.	
Floor space—						
Length	....	....	....	....	4	11 $\frac{1}{4}$
Width	....	....	....	....	3	2 $\frac{1}{2}$
Depth of sides (inside)	....	....	....	....	0	8 $\frac{1}{2}$
External dimensions—						
Maximum length, with pole	....	....	....	....	9	9 $\frac{3}{4}$
„ width	....	....	....	....	5	4 $\frac{1}{2}$
„ height	....	....	....	....	3	6
Track	....	....	....	....	4	6
					cwt.	qr.
Load	....	....	....	....	15	0
Weight (average) with wheels	....	....	....	....	2	2

(WOOLWICH SECTIONS, Nos. 4, 10, AND 13.)

12475.—Wagon, small-arm ammunition, Mark I.* .. Steel, with seat.

Alterations to Mark I. wagons to carry small-arm ammunition in chargers.

§ 11997 cancelled.

With reference to § 11953:—The alterations therein (667)

1st Jan. 1904.

57

Gen. No.

4358.

29th Oct. 1904.

A 2

5863

described will also be carried out to small-arm ammunition wagons (§ 4981) to render them suitable for use in carrying ammunition in boxes with or without chargers.

The methods of carrying the boxes will be the same as for the small-arm ammunition cart. When it is found that the Mark II. billhook will not go into the rack the holes in the latter should be enlarged to suit.

This service will be carried out locally, in accordance with the instructions detailed in § 11953, and instructional print, R.C.D. 1171, which, together with the undermentioned stores, will be supplied to officers concerned on demand.

When altered the wagons will be known as "Mark I.," the star being added to the numeral on the distinguishing plate, as laid down in § 11205.

Stores required per wagon.

(Woolwich Section, No. 4.)

	No.
Bars, loading, complete with chain and staple	2
Brackets, supporting bar loading	6
Cleats, ash, $1\frac{1}{2}$ inches by 1 inch by $9\frac{1}{2}$ inches	12
Fillet, ash, 1 inch by $\frac{1}{2}$ inch by $27\frac{1}{2}$ inches	1
Fillets, ash, $1\frac{1}{2}$ inches by $1\frac{1}{2}$ inches by $9\frac{1}{2}$ inches	2
Plates, staple, connected with chain	2
Turnbuckles, hasps and rivets	2

(Woolwich Section, No. 10.)

Screws, iron, flat head—

$1\frac{3}{4}$ inches, gauge, No. 14	26
1 inch, gauge, No. 12	30
$\frac{3}{4}$ inch, gauge, No. 10	16

(Woolwich Section, No. 13.)

Rivets, steel—

Bosshead, $\frac{5}{16}$ inch by $1\frac{1}{2}$ inches	1
Countersunk head, $\frac{1}{4}$ inch by 4 inches	2
Countersunk head, $\frac{1}{4}$ by $1\frac{1}{2}$ inches	4

§ 11997 is hereby cancelled.

1015

(WOOLWICH SECTIONS, Nos. 6, 7, 10, 11, AND 26.)

12476.—Saddlers' tools and materials.

1. New pattern.
2. Nomenclature.
3. Obsolete.
4. List of tools and material.

1. A pattern of the undermentioned pannier has been sealed to govern supply. It is similar in construction and dimensions to the "Pannier, grocery, G.S." (§ 5094), but is lined with zinc. The box is for small tools—

5th July 1904.

57

24

4903

(Woolwich Section, No. 7.)

Pannier, tool, empty, saddlers	Wicker, zinc lined, with wood box, and padlock and key.
--------------------------------	------	---

2. With reference to Secretary of State's instructions, issued with Army Order 154, of July, 1902, by which the term "Collarmaker" was abolished, the nomenclature of the undermentioned articles will be altered to read as now shown—

(Woolwich Section, No. 6.)

Serge, saddlers	40 inches wide ; 15 oz. = 1 yard.
-----------------	------	------	-----------------------------------

(Woolwich Section, No. 7.)

Bones, hollow	....	....	Half round, saddlers.
Clams, saddlers	....	....	Wood, 37 inches, with folding leg.
Hammers, saddlers	....	....	Handled, hammer and pane.
Holdalls, saddlers	....	....	Leather, 3 feet 8 inches by 2 feet, with pocket, two side flaps and securing strap.

Irons—

Pricking—

12-stitch

8

"

7

"

5

"

Seat—

Stuffing, 14 inches

Stuffing, 11 inches

} Saddlers ; number of stitches = 1 inch.	....

} With wood handles and serrated ends ; saddlers.	by $\frac{7}{8}$ inch
	by $\frac{1}{2}$ inch

(677)

A 3

1016

Knives—					
Half round	....	....	....	5 $\frac{1}{4}$ -inch by 2 $\frac{1}{2}$ - inch blade	} Wood handle, saddlers.
Head	...	...	....	Hook blade	
Trimming	....	....	....	Saddlers.	
Lead punching, saddlers—				Slab of lead.	
8 lb.	....	....	....	4 inches by 4 $\frac{1}{2}$ inches by 1 $\frac{1}{8}$ inches.	
4 lb.	....	....	....	3 $\frac{3}{4}$ inches by 3 inches by $\frac{7}{8}$ inch.	
Palms, saddlers	....	....	....	Iron, spoon shaped, 1 $\frac{3}{4}$ inches by 1 $\frac{1}{2}$ inches.	
Rules, G.S., 4-fold	....	....	....	Boxwood, 2 feet.	
Shaves, saddlers	....	....	....	With two end handles; brass mountings, and thumb screw.	
Sticks, stuffing	....	....	....	22 inches, saddlers, taper with forked end.	

3. No more of the undermentioned stores will be provided—

(Woolwich Section, No. 7.)

Cases, tools and materials, squadron—				Leather.
Empty	...	....	....	....
Filled	....	....	....	....
Chests, tool, empty—				
No. 5	....	....	....	Collarmakers & saddlers.
No. 8	....	....	....	Saddlers, panniers.
Chests, tool, filled—				With tools.
No. 5A	....	....	....	Collarmakers & saddlers.
No. 8	....	....	....	Saddlers, pannier.
Panniers, filled, Cavalry regiments—				
Collarmakers	....	....	....	....
Saddlers	....	....	....	....
Spikes, marline, wood				18-inch, collarmakers.

The "Spike, marline, wood," is declared obsolete, and the "Cases," "Chests," and "Panniers" will become obsolete when the "Panniers, tool, saddlers," are available for issue.

1017

(Woolwich Section, No. 7.)

Pannier, tool, filled, saddlers ... With tools, wicker, zinc lined, with wood box, padlock and key.

4. The undermentioned tools will, in future, be issued for the use of saddlers of all branches of the service, and, with the exception of those for R.A. units, will be carried in the above-mentioned pannier—

<i>Tools.</i>					No.
Apron, basil, brown	....	....	....	....	1
Awls, blades—					
Buckling—					
4-inch	....	....	....	....	3
5-inch	....	....	....	....	3
Drawing	....	....	....	....	2
Garnishing—					
2 $\frac{1}{4}$ -inch	....	....	....	....	2
2-inch	....	....	....	....	2
Harness—					
3-inch	....	....	....	....	3
2 $\frac{3}{4}$ -inch	....	....	....	....	4
2 $\frac{1}{2}$ -inch	....	....	....	....	4
2 $\frac{1}{4}$ -inch	....	....	....	....	4
2-inch	....	....	....	....	3
Pannel—					
7-inch	....	....	....	....	2
5 $\frac{1}{4}$ -inch	....	....	....	....	2
Awls, handles—					
Drawing	....	....	....	....	4
Harness	....	....	....	....	4
Pannel	....	....	....	....	4
Bone, hollow	....	....	....	....	1
Chisel, hand, cold, $\frac{3}{4}$ inch by 8 inches	....	....	....	....	1
Claws, saddlers	....	....	....	pair	1
Claw, nail	....	....	....	....	1
Compasses, common, 7-inch	....	....	....	pair	1
Creases—					
Double	....	....	....	....	1
Single	....	....	....	....	1
Driver, screw, G.S., 6-inch	....	....	....	....	1
Gimlet, common, No. 6	....	....	....	....	1
Hammers, riveting, 8-oz.	....	....	....	....	2
Holdall, saddlers	....	....	....	....	1

(667)

A.4

1018

Irons—						No.
Collar, plugging....	....	....	....	....	....	1
Pricking—						
12-stitch	....	....	....	....	....	1
7-stitch	....	....	....	....	....	1
5-stitch	....	....	....	....	....	1
Knives—						
Gauge, plough	....	....	....	....	....	1
Half round	....	....	....	....	....	1
Head	....	....	....	....	....	1
Trimming	....	....	....	....	....	1
Lead, punching, saddlers, 4-lb. piece	....	....	....	....	....	1
Mallets—						
Collar	....	....	....	....	....	1
Tinmans	....	....	....	....	....	1
Needles—						
Collar, half moon—						
6½-inch	....	....	....	....	....	1
5½-inch	....	....	....	....	....	1
4½-inch	....	....	....	....	....	1
Darning, 4-inch	....	....	....	....	....	6
Harness	....	....	....	....	....	80
Saddlers—						
Sewing	....	....	....	....	....	50
Stitching	....	....	....	....	....	25
Palm, saddler	....	....	....	....	....	1
Pincers, saddlers	....	....	....	....	pair	1
Pliers, flat nose	....	....	....	....	pair	1
Punches, oval—						
No. 31	....	....	....	....	....	1
No. 28	....	....	....	....	....	1
No. 24	....	....	....	....	....	1
No. 23	....	....	....	....	....	2
No. 22	....	....	....	....	....	2
No. 21	....	....	....	....	....	2
No. 20	....	....	....	....	....	2
Punch, spring	....	....	....	....	....	1
Punches, spring, cutters (of sizes)	....	....	....	....	....	4
Rasp, shoemakers, 10-inch	....	....	....	....	....	1
Rule, G.S., 4-fold	....	....	....	....	....	1
Scissors, tailors	....	....	....	....	pair	1
Shave, saddlers	....	....	....	....	....	1
Spike, marline, steel, 9-inch	....	....	....	....	....	1
Stick, stuffing	....	....	....	....	....	1

1019

	No.
Thimbles, tailors	2
Tools, edge—	
No. 2	1
No. 3	1

(Woolwich Section, No. 10.)

Lock, pad, brass, $1\frac{1}{4}$ -inch....	1
--	---

(Woolwich Section, No. 26.)

Stone, rub, scythe	1
-------------------------	---

The undermentioned material, taken from the supply allowed in Appendix XIV., Part I., of Equipment Regulations, will also be carried in the pannier with the tools—

(Woolwich Section, No. 6.)

	No.
Basils, brown—	
Strained	1
Unstrained	1
Buckles, iron, roller—	
Barred, $1\frac{1}{4}$ -inch, curved	3
Double—	
$1\frac{1}{4}$ -inch, head collar	3
1-inch ...	3
$\frac{7}{8}$ -inch	6
Single—	
$1\frac{1}{4}$ -inch, bow leg	3
$1\frac{1}{2}$ -inch, bow leg	3
Felt, brown (or numnah) cuttings	lb. 1
Hair, horse, saddlery	lb. 3
Hide, brown, backs, collar	$\frac{8}{32}$
Rings, iron, $1\frac{3}{4}$ -inch, slight	3
Serge, saddlers	yard 1
Studs, wallet	6
Thread, flax, fine	lb. $\frac{8}{16}$
Thread, whited, brown	lb. $\frac{4}{16}$
Twine, quilting	lb. $\frac{8}{16}$
Web, hemp, 3-inch (straining)	yards 2

(Woolwich Section No. 11.)

Wax, bees	lb. $\frac{4}{16}$
Wax, engravers, black	lb. $\frac{4}{16}$

1020

(WOOLWICH SECTION, No. 6.)

12477.—Saddlery, universal—

Reins, bridoon and port-
mouth, Mark II..... $\frac{3}{4}$ -inch, with billets and
brass studs.

14th Sept. 1904.

54

Gen. No.

9435

A pattern of the above-mentioned reins has been sealed to govern future manufacture.

They differ from Mark I. (§ 11417) in being fitted with billets and brass studs for attaching the reins to the portmouth bit or bridoon in place of billets and brass buckles.

The stock of Mark I. reins will be used up.

(WOOLWICH SECTION, No. 11.)

12478.—Jar, stone, 10-lb. (Mark I.) | or 1 gallon.

14th Oct. 1904.

57

24

5631

As the "Jars, stone, 1-gallon," and "10-lb." (mentioned at page 393, Priced Vocabulary of Stores, 1902) are identical in capacity, and differ only slightly in shape, one pattern, viz., "Jar, stone, 10-lb.," will govern future supplies for all purposes for which the two kinds have hitherto been issued.

All jars now on ledger charge as "Jars, stone, 1-gallon," will be transferred to the above heading."

(WOOLWICH SECTION, No. 13.)

12479.—Case, Mark III. field
clinometer. (Mark I.)

L

Leather, with steadying
strap.

23rd Oct. 1904.

73

14

76

A pattern of the above-mentioned case has been approved to govern manufacture as may be ordered.

The case, which is of leather, padded inside with felt, is for use in carrying the Mark III. field clinometer (§ 12519) on Royal Horse and Royal Field Artillery carriages.

Average weight 1 lb. 12 oz.

12480.—Sight, Q.F., 15-pr., hind.
(Mark I.) LTo be fitted with range strip and new drum
to suit M.D.T. cordite cartridge.

8th Nov. 1904.

73

4

4915

Sights of the above-mentioned description will be fitted with

1021

a crown metal range strip and new drum to make them suitable for use with the M.D.T. cordite cartridge (§ 12294).

Existing sights will be dealt with as follows:—

Spare sights will be forwarded to Woolwich for alteration, and on completion they will be returned to batteries, &c., when the sights belonging to the guns will be similarly dealt with. As these sights are not interchangeable, the numbers of the guns should be quoted on all vouchers and demands, to ensure correct return of the sights to the units which sent them in.

(Woolwich Section, No. 14.)

12481.—Carriages, garrison,	
barbette, B.L.—	
9·2-inch, Mark V. ..	L
10-inch, Mark IV. ..	L

Cover plate of shell pit shield fitted with hinges.

The cover plate on the shell pit shield of carriages of the above-mentioned description (§§ 10867, 11676) will, in future manufacture, be fixed to the shield by hinges, instead of being removable as hitherto.

Hinges will be fitted to the shields and cover plates of existing carriages, locally, in accordance with instructional print, R.C.D. 1148, which, together with the undermentioned stores, will be supplied to officers concerned on demand.

Stores per carriage.

(Woolwich Section, No. 13.)

Rivets, steel, boss head, $\frac{3}{8}$ inch by $1\frac{1}{4}$ inches	No. 10
--	-----------

(Woolwich Section, No. 14.)

Hinges, cover plate, shell pit shield (pairs)	2
Screws, countersunk head, $\frac{1}{2}$ inch by 1 inch	8

12482.—Carriages, garrison,	
barbette, B.L.—	
9·2-inch, Mark V. ..	L
10-inch, Mark IV. ..	L

Modifications to accumulator.

With reference to § 11900, sub-paragraph 3:—The travel of the spindle of the "Valve, stop, pump to gun pressure pipes," will be limited by means of two pins, instead of the formation of a collar on the spindle, as therein stated.

4th March 1904

5th Sept. 1904.

57

Dover

4352

24th Sept. 1904.

71

1

3577

1022

12483.—Carriages, garrison—

B.L., 6-inch, C.P.,	
Marks II. and IV. ..	L
Q.F., 6-inch, Mark II.	L

Steel tank cover with gunmetal instruction plate.

21st Sept. 1904.

57

Gibraltar

8729

In future manufacture, the tank cover of carriages of the above-mentioned description (§§ 10262, 10935, 10264) will be made of steel instead of gunmetal, and a gunmetal instruction plate will be fixed to the cover instead of the instructions being engraved on the cover as hitherto.

12484.—Carriage, garrison, B.L.,

5-inch, Vavasseur,	
Mark II.	L

Slide, L, B.L., 5-inch,	
Vavasseur, Mark II. ..	L

Modifications.

8th Oct. 1903.

57

Edinburgh

4009

Carriages and slides of the above-mentioned description (§ 10133) will be modified as follows:—

(1.) The front brackets on the slide for the piston rods will be recessed to clear the small gland of the buffer cylinder.

(2.) In slides where the piston rods are prevented from turning in the brackets by keys, the keys will be removed, and the rods secured in position by set screws (the keys should not be removed until the holes in the brackets and rods are drilled).

(3.) Slides which have been fitted with stops on the sliding surface will have the stops removed.

(4.) Instructions for filling the buffers have been modified, and a new pattern plate will be issued to replace the existing one.

(5.) The traversing bracket will be secured to the traversing beam by a fixing screw.

These alterations will be carried out locally in accordance with the accompanying drawing (page 1023), and instructional print C.I.W./765, the undermentioned stores being supplied to officers concerned on demand.

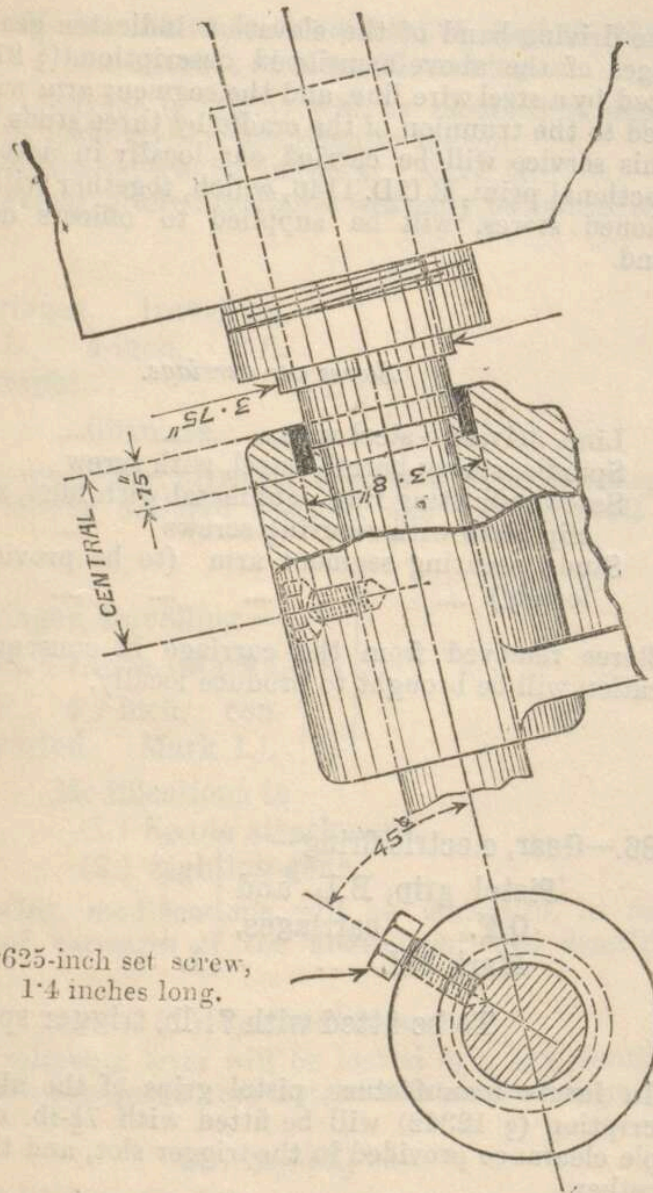
Stores per mounting.

	No.
Screws, set, piston rods (as may be required) '....	2
Plate, instruction	1
Screw, fixing, $\frac{5}{8}$ -inch, with spring washer	1

1023

Drawing to illustrate modifications referred to in § 12484.

Scale $\frac{1}{4}$.



1024

12485.—Carriage, garrison, Q.F., |
recoil, 3-pr. (Mark I.) | L |

Elevation indicator gear modified.

23rd Feb. 1904.

57

Sheerness

2938

The driving band of the elevation indicator gear (§ 9490) of carriages of the above-mentioned description (§ 8722) will be replaced by a steel wire line, and the segment arm will be further secured to the trunnion of the cradle by three studs.

This service will be carried out locally in accordance with instructional print, R.C.D. 1146, which, together with the under-mentioned stores, will be supplied to officers concerned on demand.

Stores per carriage.

	No.
Line, driving—steel wire....	1
Spindle, spring barrel—steel, with screw	1
Screw, adjusting line—gunmetal with nuts, and clip plate with securing screws	1
Studs, securing segment arm (to be provided locally)	3

Stores removed from the carriage in consequence of this alteration will be brought to produce locally.

12486.—Gear, electric firing—
Pistol grip, B.L. and
Q.F. carriages,
Mark III. L |

To be fitted with 7½-lb. trigger spring.

12th Oct. 1904.

73

3

5174

In future manufacture, pistol grips of the above-mentioned description (§ 12342) will be fitted with 7½-lb. trigger springs, ample clearance provided in the trigger slot, and the wedge made smoother.

Existing Mark III. pistol grips will be altered as follows:—

Pistol grips in store to be altered, and issued to stations on demand, to replace those not already altered. On receipt of these, stations will return their unaltered pistol grips to Woolwich for alteration.

1025

(WOOLWICH SECTION, No. 15.)

12487 — Carriage, field, Q.F., |
 1-pr., Mark II.* .. L |

Modifications to elevating gear and ammunition
 box bracket of Mark II. carriages.

Mark II. carriages (§ 11865) will be modified to admit of 19th Jan. 1904.
 elevation up to 4,500 yards being given to the gun.

Carriages so altered will be known as "Mark II.*"

For the present, altered carriages will only be issued as may
 be ordered.

73

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4607

12488.—Carriages, travelling, |
 B.L., 5-inch, 6-ft. |
 parapet L |

Obsolete.

The above-mentioned carriage, together with all stores special 15th Oct. 1903.
 thereto, are hereby declared obsolete, and will be dealt with 17th Nov. 1903.
 accordingly.

57

Devonport

8498

12489.—Carriages, travelling— |
 Q.F., 4·7-inch. (Mark I.) L |
 Q.F., 4·7-inch, con- |
 verted. (Mark I.).. L |

Modifications to—

(1.) Spade attachment.

(2.) Sighting gear.

The following modifications will be embodied, in future 12th Jan. 1904.
 manufacture of carriages of the above-mentioned description

(§ 10938) :—

73

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4550

(1.) *Spade attachment.*

The releasing lever will be locked by a key (similar in
 shape to a capsquare key) instead of a pin as hitherto.

(2.) *Sighting gear.*

The milled heads of the traversing screw on the rocking
 bar will be attached to the screw as follows :—

The head on the left side will be permanently fixed to
 the screw by having the small end of the taper pin
 burred over. The head on the right side will be
 removable, and secured to the screw by a split keep
 pin tapered.

1026

These modifications will be carried out to existing carriages locally, in accordance with the instructions detailed below, and the accompanying drawing, the undermentioned stores being supplied to officers concerned on demand.

Instructions.

(1.) Spade attachment—

Cut a keyway through the stop bracket in accordance with the drawing shown below, and another of the same dimensions through the releasing lever, to suit the keyway in the bracket. Remove the locking pin from the S hook at end of chain, and fix the key supplied to the S hook.

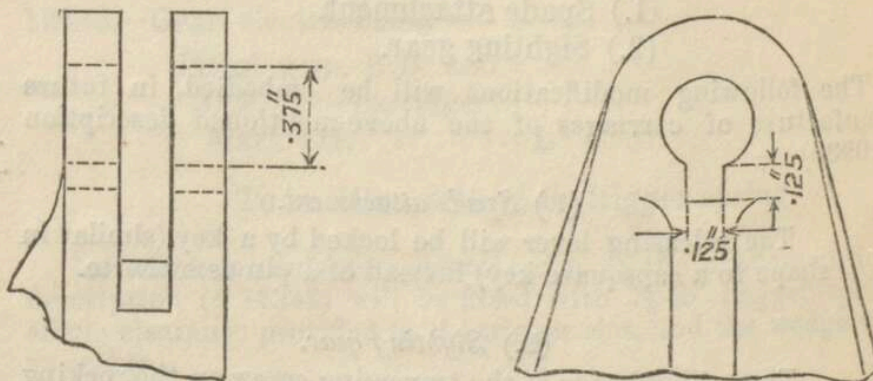
(2.) Sighting gear—

Burr over the small end of the taper pin on the left-hand head of the traversing screw (if not already done), and replace the taper pin through right-hand head by the tapered split pin supplied.

Stores required.

Spade attachment—			No.
Key, locking, releasing lever	....	....	1
Gear, sighting—			
Pin, keep, split, tapered, rocking-bar traversing screw	....	....	1

Bracket, stop, lever, releasing spade.



12490.—Carriage, travelling,
Q.F., 4.7-inch, converted L

2nd Oct. 1904.

71

1

3525

In cases where it is found that the handwheel of the brake

gear of carriages of the above-mentioned description (§ 10938), fouls the corner of the carriage, the angle-iron frame at the breast of the carriage, and, if necessary, the arms of the hand-wheel will be cut away to give sufficient clearance.

The maximum amount possible should be cut from the angle iron frame before removing any metal from the handwheel.

This service will be carried out locally as may be found necessary.

12491.—Limber, field, Q.F., 1-pr. carriage, Mark I.A ..	L	Steel; with grease box, box cleaning materials, 12 division boards, can buffer liquid, 2 water tanks, draught pole No. 17, pole bar No. 1, and two swingletrees No. 10a.
--	---	---

A certain number of the above-mentioned limbers have been issued for Land Service, and the following particulars relating to them are published for the information of all concerned:—

22nd June 1904.

71
1
3462

The limber consists of a frame, a 3rd class axletree, limber hook, pole with pole bar, two swingletrees, an ammunition box, and two field wheels.

The frame is generally similar to the Mark I. (§ 10925), except that draught loops are not provided.

The ammunition box, which is closed by a tailboard, is lower and wider than the Mark I.; it is made of wood, and divided at the rear into 12 compartments, six upper and six lower, each of which holds an ammunition belt. The front portion of the box is fitted to carry one buffer liquid can, two water tanks, and two tin boxes. A seat, and attachments for securing the shield when travelling, are fixed to the top of the box. A foot board and guard irons with back strap and leathers are provided for the convenience of the numbers riding on the limber. Fittings are provided for carrying entrenching tools and other small stores.

The axletree and wheels are the same as for the Mark I. limber.

Weight of limber without
ammunition and stores 8 cwt. 3 qrs. 7 lb.

1028

(WOOLWICH SECTIONS, NOS. 15 AND 16.)

12492.—Ordnance, Q.F.—

6-inch	C
4·7-inch, Marks I. to IV.*	C
4·7-inch, Mark V.	L
15-pr. Mark I.	L
12-pr. 12-cwt.	C
12-pr. 8-cwt.	N
2·95-inch, mountain	L
Nordenfelt, 6-pr.	C

Length of rifling.

22nd June 1904.

10th Sept. 1904.

73

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4850

In future, the length of rifling of the above-mentioned guns will be calculated from the point at the commencement of the rifling at which the full depth section of the groove commences.

The following table shows the correct lengths of rifling for future calculations:—

Calibre of gun.	Total length of rifling.
Ordnance, Q.F.—	inches.
6-inch	214·16
4·7-inch, Marks I. to IV.*	170·6
4·7-inch, Mark V.	178·81
15-pr., Mark I.	77·403
12-pr. 12-cwt.	103·035
12-pr. 8-cwt.	74·53
2·95-inch, mountain	24·02
Nordenfelt, 6pr... ..	81·78

(WOOLWICH SECTION, No. 15.)

12493.—Ordnance, Q.F., 1-pr.,

Mark I.* L Steel, 410 lb.

1. Alteration of Mark I. guns to admit of increased elevation.

Sight, Q.F., tangent,
1-pr., Mark I.* gun.
(Mark I.) L

Steel, with removable
range strip, socket
with fixing pin, chain,
and eyebolt.

2. New pattern.

1. With reference to §§ 10949, 12202, 12399 :—Mark I. guns

19th Jan. 1904.

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1029

will be altered so as to admit of increased elevation up to a range of 4,500 yards, and guns so altered will be described as Mark I.* and will be so stamped. For the present, altered guns will only be issued as may be ordered.

The list of fittings issued with each Mark I.* gun is the same as that for Mark I. guns, with the following exceptions :—

Designation.	Details.	No.
Ordnance, Q.F., 1-pr., Mark I.*—		
Link, connecting, firing lever	Steel	1
Pistol grip	Gunmetal, with firing lever, axis pin, and joint pin connecting link	1
Shoulder piece	Steel and wood with india-rubber pad, and fixing screw with retaining nut	1

2. Drawings (R.G.F./10988/6 and 10988/7) of the above-mentioned tangent sight have been sealed to govern manufacture, as may be ordered, for use with Mark I.* guns.

The tangent sight differs from that for the Mark I. gun (§§ 10949, 12202) only in having a longer sight bar and range strip. The range strip is graduated with a yard scale to 4,500 yards reading to 100 yards.

12494.—Shield, Q.F., 1-pr. (Mark II.)	L	Steel, with loop and hook, and securing pin with chain and stud.
---	---	--

A drawing (V.S. and M. 5494e) of the above-mentioned Mark II. shield has been sealed to govern future manufacture.

The shield differs from the Mark I. (§ 10925) only in being slightly larger. The principal dimensions are as follows :—

Width	39 inches.
Depth	38 inches.
Thickness	25 inch.

5th June 1904.

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4836

1030

(WOOLWICH SECTION, No. 16.)

12495.—Ordnance, Q.F.—

6-inch B, and Q.F.C.

6-inch—

Carrier. (Marks

I.**, II.*, and

III.) C

4·7-inch B, and 4-inch

Mark III.—

Carrier. (Marks

I.**, II.*, and

III.) C

12-pr. 18 cwt.—

Carrier. (Mark I.) C

12-pr. 12 and 8 cwt.—

Carrier. (Marks

I.**, II.*, and

III.) C

1. Fixing screw of safety stop to be secured by locking plate.

2. Nomenclature.

1st Sept. 1904.

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4917

1. With reference to §§ 9226, 12401 :—In future manufacture of safety stops for carriers of the above-mentioned description, the fixing screw will be prevented from turning, when in position, by means of a locking plate.

Existing safety stops will be fitted with locking plates when passing through Ordnance Factories for repair.

2. The details appended to the nomenclature of the above-mentioned carriers will be amended as shown below :—

Ordnance, Q.F.—

6-inch B and Q.F.C., 6-inch—

Carrier. (Marks I.**, II.*, and III.) C

Bronze, with flat spring with 3 fixing screws, bearing washer, and lubricating screw (and 2 preserving screws for L.S. only); hinge bolt, lubricating screw, and keep pin; sliding block, bush, and axis pin for link with fixing and

1031

Ordnance, Q.F.—

6-inch B, and Q.F.C. 6-inch—

Carrier. (Marks I.**, II.*,
and III.)—*continued.*4.7-inch B, and 4-inch Mark
III.—Carrier. (Marks I.**, II.*,
and III.)....

C

lubricating screws;
breech mechanism
lever with nut, keep
pin, and lubricating
screw; link actuating
breech screw with nut,
keep pin, and lubri-
cating screw, safety
stop in 2 parts with
fixing screw and
locking plate with
fixing screw; catch
retaining breech screw
with spiral spring,
bracket with 3 fixing
screws, and 2 locking
plates each with fixing
screw; and hook sup-
porting cable with
securing screw and
spring washer.

Bronze, with flat spring
and fixing screw,
bearing washer, and
lubricating screw (and
2 preserving screws for
L.S. only); hinge bolt,
washer, lubricating
screw, and keep pin;
sliding block, bush,
and axis pin for link
with fixing and lubri-
cating screws; breech
mechanism lever with
nut, keep pin, and
lubricating screw; link
actuating breech screw
with nut, keep pin, and
lubricating screw;
safety stop in 2 parts
with fixing screw, and
locking plate with

Ordnance, Q.F.—

4·7-inch B, and 4-inch Mark III.—

Carrier. (Marks I.**, II.*, and III.)—*continued*.

fixing screw ; catch retaining breech screw with spiral spring, bracket with 3 fixing screws and 3 locking plates, each with fixing screw ; and hook supporting cable with securing screw and spring washer.

12-pr., 18 cwt.—

Carrier. (Mark I.)

... C

Bronze, with flat spring with fixing screw, bearing washer, and lubricating screw (and 2 preserving screws for L.S. only); hinge bolt, washer, lubricating screw, and keep pin ; sliding block, bush, and axis pin for link with fixing and lubricating screws ; breech mechanism lever with nut, keep pin, and lubricating screw ; link actuating breech screw with nut, keep pin, and lubricating screw ; safety stop in 2 parts with fixing screw, and locking plate with fixing screw ; catch retaining breech screw with spiral spring, bracket with 4 fixing screws, and 3 locking plates each with fixing screw ; and hook supporting cable with securing screw, and spring washer.

12-pr., 12 and 8 cwt.—

Carrier. (Mark I.**, II.*, and III.)

... C

1033

12496.—Ordnance, Q.F., Hotchkiss:—

6-pr.—

Mark I. C

Mark II. L

3-pr.—

Mark I. C

Mark II. L

Repair by bushing holes for "screw stop wedge" and "studs, steadying, and fixing, shoulder piece."

Drawings (R.G.F./10819/25 and R.G.F./10951/48) have been approved to govern repair (as may be found necessary) to guns of the above-mentioned description in which the holes for "screw stop wedge," and "studs, steadying, and fixing, shoulder piece," have become worn.

The repair consists in fitting steel bushes prepared for the reception of the stop screw and studs, respectively, to the holes in the gun, so as to restore the holes to their original form and dimensions. The bushes will each be secured in position by means of three check screws.

This repair will be carried out as follows:—

Land Service.—When the guns pass through Ordnance Factories for repair.

Naval Service.—Locally, at depôts at Chatham, Portsmouth, Plymouth, Malta, and Hong Kong, in accordance with the instructional prints detailed below, which, with the undermentioned stores, will be supplied to officers concerned on demand (*vide* Admiralty letter G. 12319/1904, 14th November, 1904).

Instructional prints, Tools, and Stores.

					Ordnance, Q.F., Hotchkiss.	
					6-pr.	3-pr.
<i>Instructional prints.</i>						
R.G.F./10951/49	As required	..
R.G.F./10819/35	As required

17th March 1904.

27th May 1904.

20th July 1904.

73

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4721

1034

	Ordnance, Q.F., Hotchkiss.	
	6-pr.	3-pr.
<i>Tools to be supplied from Woolwich.</i>		
Jig—with 3 fixing screws, 3 boring bushes and 3 tapping bushes	1	1
Taps, 12 threads per inch, 3 to a set—		
1·375 inches diameter.. .. . set	..	1
1·5 inches diameter "	1	1
1·625 inches diameter.. .. . "	..	1
1·75 inches diameter "	1	..
2 inches diameter "	1	..
<i>Tools to be made locally (as required).</i>		
Drills, square-ended—		
1·28 inches diameter .. .. .	..	1
1·405 inches diameter	1	1
1·3 inches and 1·53 inches diameter.	..	1
1·655 inches diameter	1	..
1·625 inches and 1·905 inches di- ameter	1	..
<i>Stores per gun.</i>		
Bushes, tapped—		
Screw, stop, wedge	1	1
Stud, fixing shoulder piece	1	1
Stud, steadying shoulder piece ..	1	1
Screws, check	9	9

(WOOLWICH SECTION, No. 20.)

12497.—Cylinder, ammunition—

Spanner. (Mark I.) .. C | Steel.

h July 1903.

57

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4634

A pattern of the above-mentioned spanner (not hitherto announced in *List of Changes*) has now been formally sealed to govern manufacture.

The spanner is made of steel, and is for use with the screws securing the lids of ammunition cylinders (§ 3240).

1035

(WOOLWICH SECTION, No. 21.)

12498.—Guncotton, wet:—

Slabs—

S. (Mark III.) ..

L

Rectangular.

$6\frac{1}{8}$ inches by $6\frac{1}{8}$ inches
by $1\frac{3}{8}$ inches; one per-
foration for Primer F,
and one perforation
for Primer H; R.E.;
weight, dry, 1 lb. $12\frac{1}{2}$ oz.

T. (Mark III.) ..

L

$6\frac{1}{8}$ inches by $6\frac{1}{8}$ inches
by $1\frac{3}{8}$ inches; one per-
foration for Primer F,
and one perforation
for Primer H; R.E.;
weight, dry, 1 lb. 8 oz.

Nomenclature.

With reference to § 11827 (as amended by Errata published 1st December, 1903):—In consequence of the high limits of the primer holes of the above-mentioned "S" and "T" slabs having been altered, the sizes of the perforations have been omitted from the details appended to nomenclature, as shown above.

11th Feb. 1904

2nd March 1904

74

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1421

12499.—Gunpowder—

Blank F.G. converted

C

Blank L.G. converted

C

Marking of barrels containing mixture of black and brown powders.

In order to distinguish barrels containing "Blank F.G. converted" or "Blank L.G. converted" gunpowder, which consist of a mixture of black and brown powders, the word "Brown" will be added to the marking after the nature of the powder.

20th Aug. 1904

74

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679

The following brands of blank L.G. converted gunpowder are affected, viz.:—Nos. 110, 111, 113 to 115, 122, 123, 125, 127, 130, 131, 134 to 136, 141, 142, 144, 148, 151, 153, 155, 158, 161 to 163, 165 to 178, 182 to 184, 188, 189, 191 to 199, 201 to 206, 208 to 221, 226, 232, 233, 237, 238, 248, 249, 252, 254, 256, 258 to 260, 266, 268, 275, 277 to 279, 281 to 294, 297, 298, 300, 301, 303, 305 to 313, 315 to 317, 320, 321, 325 to 327, 331, 335, 336, 339, 340, 342, 343, 346, 349, 351, 352.

1036

(WOOLWICH SECTIONS, NOS. 22 AND 22A.)

12500.—Cartridge, Q.F., drill, 12½-pr. (Mark I.) ..	L	
Fuze, drill, time and per- cussion, 17 seconds, No. 59. (Mark I.) ..	L	Metal; for drill igniter.
Igniter, drill, fuze, time and percussion, 17 seconds, No. 59. (Mark I.)	L	Metal, empty.

New patterns.

Cartridges, Q.F., drill, 12½-pr., 6-pr. & 3-pr.— Primer, dummy. (Mark I.)	C	Brass.
--	---	--------

Nomenclature.

4th Nov. 1903.

16th April 1904.

V

2nd Middlesex
Artillery

1264

Patterns of the above-mentioned drill cartridge, fuze, and igniter, have been sealed to govern manufacture for Land Service (movable armament).

The cartridge consists of a brass case, with dummy primer, fitted with a hollow wooden shell, the walls of which extend to the base of the case, the shell being secured by three brass screws through the neck of the case.

The head of the shell is fitted with a gunmetal socket, screwed to receive the time and percussion, No. 59, drill fuze.

Two holes are drilled through the base, and three holes through the wall of the case, to facilitate identification.

The drill fuze consists of an empty service fuze, stamped "DRILL," and bronzed all over, with the exception of the time ring and the index patch, which are left bright.

The drill igniter is an empty service igniter, bronzed over the top portion.

The dummy primer is the same as that for 6-pr. and 3-pr. drill cartridges (§ 5856); the nomenclature of the primer has now been arranged as shown above.

Dimensions.

		inches.
Length of cartridge—		
Including fuze (maximum) ....	....	16·6
Without fuze (maximum) ....	....	14·77
Diameter—		
Of base of cartridge (maximum) ....	....	3·407
Over band of shell ....	....	3·013
Of body of shell (not to exceed) ....	....	2·938

1037

(WOOLWICH SECTION, No. 22.)

12501.—Fuze, electric, No. 14.

(Mark III.) L

Detonators, electric—

No. 12. (Mark V.) .. L Submarine.

No. 18. (Mark V.) .. L Drill.

Modified covering for wires of leads.

In future manufacture, the wires of the above-mentioned fuze and detonators (§§ 11977, 11313) will have a coating of pure indiarubber covered by an outer coating of vulcanized indiarubber.

The previous insulation consisted of only one cover of vulcanized indiarubber.

This modification will not involve any alteration of numerals.

1st Jan. 1904.

75

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8107

9th Aug. 1904

8302

12502.—Fuze, time and percussion, No. 63.

(Mark I.) L Metal.

Implements, fuze, shell, and cartridge—

Key, setting Fuze, time and percussion, No. 63.

(Mark I.) L Steel.

Drawings (R.L. 13270 (1) and 13331 respectively) of the above-mentioned fuze and key have been sealed to govern manufacture for Land Service.

The fuze is, in construction, generally similar to the "Fuze, time and percussion, No. 60, Mark II." (§ 11692), but differs in the following particulars:—

(1.) The time graduations are marked on the top ring instead of on the lower ring.

(2.) The lower ring is milled.

(3.) The setting pointer is fixed to the lower ring instead of to the body of the fuze.

(4.) The cap (or nut) of the fuze is round instead of hexagonal, and is fixed by a steel set screw to prevent it from being turned.

The fuze is graduated to 44.

The time of burning at rest is about 20.1 seconds.

The fuze is packed one in a tin cylinder (No. 63F).

The key is made of steel, shaped at one end to fit, and engage with, the milling on the lower ring of the fuze, and provided at the other end with a white line loop 30 inches in length.

12th May 1904.

75

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8094

16th July 1904.

3rd Sept. 1904.

8293

20th July 1904.

8274

1038

(WOOLWICH SECTION, No. 22A.)

12503.—Box, cartridge, Q.F.,

15-pr. (Mark I.) .. L

Wood, with tin lining,
to hold 22; Ammuni-
tion Columns and
Parks.

th July 1904.

54

Artillery

1844

A drawing (design R.C.D. 9446A) of the above-mentioned box has been approved to govern manufacture.

The box is of deal; it is provided with a lid which is secured by $1\frac{3}{4}$ -inch nails, and with a rope handle at each end for lifting purposes; recesses are provided in the ends to facilitate the removal of the lid. The interior is fitted with a removable tin lining which is hermetically closed by a tin lid.

The box is suitable for packing 22 cartridges, and is for use in ammunition columns and parks, and will be supplied to officers concerned on demand.

Dimensions, &c.

Length (over handles) ...	...	...	...	inches.
Depth ...	...	...	...	22 $\frac{1}{4}$
Width ...	...	...	...	9
	...	...	...	19 $\frac{1}{8}$
Tonnage ...	...	...	...	ton.
	...	...	...	055

(WOOLWICH SECTION, No. 24.)

12504.—Exploders, lyddite
shell—

4-oz., 13'35-inch.

(Mark I.) C

In shalloon bag and
paper cylinder.Q.F. 4'7-inch Marks I.
and II. shells.3 $\frac{1}{2}$ -oz., 12'5-inch.

(Mark I.) C

B.L. or B.L.C. 5-inch
gun, R.M.L. 6'3-inch
howitzer and Q.F.
4'7-inch Marks III.
and IV. shells.

th Jan. 1903.

73

4

3095

3 $\frac{1}{2}$ -oz., 11'4-inch.

(Mark I.) C

B.L. 9'2-inch, B.L. Q.F.
or Q.F.C. 6-inch, Q.F.
4'7-inch Marks I. and
II., B.L. 6-inch how-
itzer, 5-inch howitzer,
and R.M.L. 10-inch
shells formerly taking
4-oz. exploders.

th Oct. 1902.

75

12

3304

th Nov. 1901.

71

1

1723

*Nomenclature.*Extended use of 3 $\frac{1}{2}$ -oz. exploders,

Consequent upon the introduction of the Marks III. and IV.

1039

47-inch lyddite shells (§§ 11193, 12036), which take the $3\frac{3}{4}$ -oz. exploder, the details appended to the nomenclature of the $3\frac{3}{4}$ -oz. exploder (§ 10747) have been amended to include the Marks III. and IV. shells, and the details of the 4-oz. and $3\frac{1}{2}$ -oz. exploders (§ 10504) have been amended so as to restrict their use to the Marks I. and II. shells of that nature.

The details appended to nomenclature of the $3\frac{1}{2}$ -oz. exploders have been further amended by the omission of "8-inch howitzer," as no shells of this nature have been made for service.

12505.—Gauge, shell, B.L., 6-inch, band, low, 6'126-inch. (Mark I.)	C	or shot; ring, wrought iron; for cupro-nickel bands, Marks VII. and VIII. guns.
---	---	---

New pattern.

Gauges, shell, B.L., Q.F., or Q.F.C., 6-inch—	C	or shot; ring, wrought iron.
Band, low, 6'105-inch. (Mark II.)	C	Also copper band with gascheck, front low.
Gascheck. (Mark I.)	C	6'33-inch, high, also copper band high.

Extended use of gascheck gauge.

Nomenclature.

A pattern of the above-mentioned 6'126-inch gauge has been sealed to govern manufacture.

The gauge is for use with the cupro-nickel banded projectiles described in §§ 12267 and 12524.

The existing 6'33-inch gas check gauge will be used for gauging the gascheck portion of the cupro-nickel bands.

Consequent upon the introduction of the 6'126-inch low band gauge and cupro-nickel bands for 6-inch projectiles, the nomenclature and details of the 6'105-inch low gauge, and the details of the gascheck gauge (§ 8688) have been amended as shown above.

1st Dec. 1903.

5th Feb. 1904.

75

12

4097

1040

12506.—Gauges, shell, Q.F.,
4·7-inch—

or shot, ring, wrought
iron.

Band, low, Mark III. C 4·8-inch.

New pattern.

Band, low, Mark II. C 4·804-inch.

To become obsolete.

21st July 1904.

75

12

4691

Consequent upon the introduction of the driving band for Q.F., 4·7-inch projectiles described in § 12036, a pattern of the above-mentioned Mark III. low gauge has been approved to govern future manufacture, for use in gauging all Q.F. 4·7-inch projectiles.

The Mark II. low gauge (§ 8056) will eventually become obsolete, but existing gauges may continue to be used on projectiles fitted with the old pattern driving band until Mark III. gauges are received.

NOTE.—The existing high gauge (§ 8056) will be used on all 4·7-inch projectiles.

12507.—Shell, B.L., common,
lyddite, 9·2-inch, light.
(Mark I.) L

Forged steel; 290 lb.; for
guns on H.A. mountings.

1. New pattern.

Shell, B.L., common,
lyddite, 9·2-inch,
heavy—

(Mark I.)

.. L

(Mark II.)

.. C

(Mark III.) ..

.. C

Forged steel; 380 lb.;
except for guns on H.A.
mountings.

2. Nomenclature.

[25th May 1904.]

73

3

4916

1. A drawing (R.L. 12260A (1)) of the above-mentioned "light" shell has been sealed to govern manufacture for use with B.L. 9·2 inch guns on H.A. mountings.

The shell is similar in construction to the 9·2-inch common lyddite Mark III. shell (§ 11234), but is lighter, and has no lifting hole.

-1041-

Dimensions, &c.

	inches.
Length (maximum)	27.83
Diameter over body (maximum)	9.165
Diameter over driving band (maximum)	9.71
Weight of { shell, empty (including driving band	lb. oz.
band	251 15
bursting charge	37 7
fuze (impact)	0 10
Average total weight, filled and fuzed ...	290 0

2. Consequent upon the introduction of the above-mentioned "light" shell, the nomenclature, and details appended thereto, of the 9.2-inch common lyddite shells mentioned in §§ 11234, 10508, 9957, and 9636 have been amended as shown above.

(WOOLWICH SECTION, No. 25.)

12508.—Chair, arm, hospital, Mark

II. With brass castors.

Castors—

Front	} Brass.
Back	

Fitted with brass castors.

It has been decided to use brass instead of rubber-tyred castors with the above-mentioned chairs (§ 12254). The nomenclature will, therefore, be as now shown.

Castors on existing chairs will, however, continue in use until worn out.

13th Oct. 1904.

57

Gen. No.

5440

(WOOLWICH SECTION, No. 26.)

12509.—Buckets, fire, leather,

Marks I. and II.

To become obsolete.

The above-mentioned buckets (§§ 9401, 11081) are declared obsolete for future manufacture.

The existing stock will, however, be used up with fire engines, after which the "Bucket, fire, iron" (§ 9401), will be issued.

28th Oct. 1904.

57

Gen. No.

5882A

12510.—Poker, soldiers, 2-ft. 4½-inch.

(Mark II.) Kitchen and O.P. grates.

A pattern of the above-mentioned poker has been sealed to govern future manufacture.

It will eventually replace the "Poker, soldiers, 2-ft. 6-inch" (§ 9306), from which it differs in being smaller generally, and about 2 lb. less in weight.

When the stock of 2-ft. 6-inch pokers has been used up they will become obsolete.

26th Sept. 1904.

57

Gen. No.

5806

12511.—Traveller, horse sling.

(Mark I.) For infirmary stables.

25th June 1904.

Gen. No. 2

1174

A drawing (C.I.W. 842) has been sealed to govern manufacture of travellers as above, for use with sling boxes in new infirmary stables.

(WOOLWICH SECTION, No. 27.)

12512.—Cloth, pan, covering .. | L | 26 inches by 24 inches.

29th March 1904.

4807

7

804

In continuation of list in § 11983, the above cloth has been approved for hospital purposes. The cloths will be made up at Army Ordnance depôts, from old counterpane material, to the above approximate dimensions.

Each cloth should be hemmed as necessary, and fitted with a tape loop for hanging up.

The tape and cotton required is as for "Cloths" in § 11983, and about 600 lb. of material for 540 covering cloths.

The cloths will be marked by Army Ordnance Department, before issue, in 1-inch letters with red paint, thus—

"PAN COVERING."

12513.—Packsaddlery, Artillery—

Cover, 6½ feet by 6½ feet.

(Mark I.)

Canvas; with eyelets, and two 1-inch lashings, 21 ft. tarred rope.

Straps—

Leather.

Carriage or recoil cradle,

Q.F. 2·95-inch. (Mark

I.)

54 inches by 1½ inches; also axletree or carriage, R.M.L. 2·5-inch.

Gun, Q.F. 2·95-inch,

and R.M.L. 2·5-inch.

(Mark I.)

35 inches by 1½ inches; also axletree, Q.F. 2·95-inch.

Wheels. (Mark I.) ..

82 inches by 1½ inches; except B.L. 10-pr.

Extended use.

Nomenclature.

23rd Sept. 1904.

54

Artillery

2066

Consequent on the use of Covers and Straps, "Packsaddlery, Artillery, R.M.L., 2·5-inch," having been extended to Q.F. 2·95-inch equipment, the nomenclature, and details appended thereto, of these stores have been amended as shown above.

1043

(WOOLWICH SECTION, No. 28)

12514.—Boxes, ebonite battens | L |

1. New patterns.

Battens, ebonite—

Mounted L

Unmounted L

2. Nomenclature.

1. Drawings (I.R.E.S. Nos. 420, 421, 422, and 423) of the undermentioned boxes have been sealed to govern future manufacture—

16th July 1904.

58

99

Boxes, ebonite battens—

			Iron, with two end flanges, cover, padlock and key ; without ebonite battens.
2-line. (Mark II.) ...	....	L	6·725 inches by 7·1 inches by 5·5 inches.
4-line. (Mark II.) ..	...	L	8·725 inches by 7·1 inches by 6 inches.
7-line. (Mark II.)....	....	L	11·725 inches by 7·1 inches by 6 inches.
9-line. (Mark II.)....	....	L	13·725 inches by 7·1 inches by 6 inches.

The boxes differ from the previous patterns—2 and 7-line boxes (§ 9579) 4 and 9-line boxes (not previously announced in *List of Changes*)—in the following particulars :—

(a.) The holes at one end of each box are slightly altered in size to suit the L type cables (L 1, L 2, L 3, and L 4), and at the other end are enlarged to '437 inch to receive K type cable, which should, in future, be used between the box and instrument, instead of "Wire, electric, covered, C 21" (formerly known as D 10 cable).

(b.) The head of the plug for chamber is reduced in size to fit the spanner issued with the "Vice, jointers" (§ 10467).

2. The nomenclature of the 4 and 9-line "mounted" and "unmounted" battens (not previously announced in *List of Changes*) has been arranged as shown below—

(667)

B

1044

Battens, ebonite :—

Mounted—

4-line. (Mark I.)	L	On wood block. 7 inches by 3 inches by $\frac{5}{8}$ inch, with 8 terminals and 4 U links.
-------------------	------	---	---

9-line. (Mark I.)	L	12 inches by 3 inches by $\frac{5}{8}$ inch, with 18 terminals and 9 U links.
-------------------	------	---	---

Unmounted—

4-line. (Mark I.)	L	With 4 brass screws. 7 inches by 3 inches by $\frac{5}{8}$ inch, with 4 U links.
-------------------	------	---	--

9-line. (Mark I.)	L	12 inches by 3 inches by $\frac{5}{8}$ inch, with 9 U links.
-------------------	------	---	---

12515.—Position - finders, sub-
marine mining—

2,200 yards. (Mark I.)	L
---------------------------------	---

1,700 yards. (Mark IV.)	L
----------------------------------	---

Modifications.

th Feb. 1904.	In future manufacture, the following modifications will be embodied in position-finders of the above-mentioned descriptions (§§ 9167, 11320) :—
1st March 1904.	
61 12	

5th Aug. 1904.

43

(a.) *Modifications applicable to both position-finders.*

(1.) The metal bracket and cover with firing peg commutator will be superseded by a wood cover with firing peg commutator.

(2.) An "earth" screw is added to the frame.

(3.) Alternative holes for the earth screw are provided on either side of the frame, as the firing peg commutator and cover, which will be supplied unfixed, may be fitted on the right or left as found convenient.

(NOTE.—The alterations described above were also authorized to be carried out in existing submarine mining position-finders, *vide* S.M. circulars, 532 and 535, dated 30th January, 1904, and 13th June, 1904, respectively.)

1045

(b.) *Modifications applicable to the 2,200 yards position-finder only.*

(1.) The length of sector arc will be increased, and the opening in the cover plate will be in line with the vertical axis instead of near the traversing handle.

(2.) The holes in table for connecting wires will be $\frac{1}{8}$ inch instead of $\frac{1}{4}$ inch.

(3.) Stops will be provided at ends of racer.

(4.) The bracket for traversing handle will be made in one piece instead of two, and will be fitted on two vertical flat chipping faces instead of the rounded face at the back of the bed.

(WOOLWICH SECTION, No. 29.)

12516.—Apparatus, telephone, portable, "C." (Mark I.)	L	With telephone operators' "C," two Obach "P" dry cells, generator handle, and peg
Telephone, operators' "C." (Mark I.)	L	With cord.
Cord. (Mark I.)	L	Four-fold conductor.
Mouthpiece. (Mark I.) ..	L	Indiarubber.

The above-mentioned "Apparatus, telephone, portable, C," has been adopted for the reserve equipment of field telegraph units for all purposes for which a portable telephone is required. A pattern has been sealed accordingly.

22nd Aug. 1904.

58

20

Certain "Apparatus, telephone, portable, C," are provided with Ericsson pattern cells, but so soon as those cells become unserviceable, they will be replaced by Obach "P" cells, as shown in the details appended to nomenclature above.

12517.—Baseboards:—	Wood.
Duplex—	
Unfitted. (Mark I.)	L
Fitted. (Mark I.) ..	L

A pattern of the undermentioned "Baseboard, duplex, unfitted," has been sealed to govern manufacture—

23rd Aug. 1904.

58

92

1046

Baseboards—

Duplex—

Unfitted. (Mark I.) L

Wood.

Two boards, one $23\frac{1}{2}$ inches by 24 inches, the other 12 inches by 9 inches, with two wood reels for wire; in transport case $22\frac{9}{16}$ inches by $25\frac{5}{16}$ inches by $11\frac{11}{16}$ inches.

Fitted. (Mark I.) L

And translating; with galvanometer, single and duplex; Instrument, telegraph, sounder, translating; Relay, telegraph, Mark II.; Key, double current (all without cases); Switch, single and duplex; Rheostat, Mark II.; Condenser, 7 25 m.f.; 4 dischargers lightning bobbin (2 spare) triple flexible conductor, and 48 yards of Wire, electric, covered, A 3, in transport case.

In a first supply, baseboards will be issued "fitted" (*i.e.*, with the whole of the instruments, &c., mentioned in the details appended to nomenclature of the "fitted" baseboard, as shown above).

Instruments, &c., or "unfitted" baseboards required for renewal, will be demanded separately, and be fitted locally.

12518. - Cell, electric, Obach,
dry, "P." (Mark I.)

L

$5\frac{15}{16}$ inches high by 24 inches square; for Apparatus, telephone, portable, "B" and "C."

Extended use and nomenclature.

Pattern sealed.

6th June 1904.

58

82

The use of the above-mentioned cell (§ 11044) has been extended to the "Apparatus, telephone, portable, C" (§ 12516) for the reserve equipment of field telegraph units, in lieu of the

1047

"Battery, Le Clanché, F, two-cell," hitherto used with "Bells, polarised," for that purpose.

The details appended to nomenclature have therefore been amended as shown above, and a pattern has now been formally sealed.

12519.—Clinometer, field, Mark III. 	L	in wood box; horse, field, heavy, and siege artillery, and movable armaments.
--	---	--

A pattern of the above-mentioned clinometer has been approved to govern future manufacture as may be ordered.

8th June 1904.

The instrument is made of gunmetal. The arm is pivoted at one end and fits into a toothed rack at the other end by means of a spring fitting, and can be moved along the rack. This rack is accurately cut one tooth to a degree. The bubble is on a slider on the arm, which is graduated in minutes; the slider can be clamped at any reading by means of a screw underneath. The instrument is graduated from 0 to 45 degrees.

73

14

68

Average weight 1½ lb

The clinometer will be carried on the gun, or howitzer, carriage in a leather case (§ 12479), but for other purposes, including ordinary transport and storage, the wood box will be used.

12520.—Switchboard, telephone exchange— Key, ringing, Mark II. 	L
---	---

A pattern of the above-mentioned key has been sealed to govern future manufacture.

25th Oct. 1904.

58

It differs from the Mark I. (§ 8673) in the following particulars:—

13

The stem of each plunger is made in one piece and is shouldered under the ebonite top.

The ebonite V-shaped blocks are ½-inch wide (instead of ⅜ inch), fitted on a square shoulder at end of plunger, and secured thereto by a cheese-headed screw.

Each plunger is fitted with a metal washer instead of one metal escutcheon.

The ebonite tops are engraved "Front" and "Rear," respectively.

1048

(WOOLWICH SECTION, No. 20.)

12521.—Labels, classification of
explosives C

New labels for Group III.

20th Sept. 1904.

57

Gen. No.

3848

With reference to revised classification of explosives published by A.O. No. 177 of 1st October, 1904:—New explosive labels have been adopted for "Group III.," which are as follows:—

The group is denoted by a red triangle, having the number of the division in each case in the centre, and of the same colour as the paper on which the group mark is printed.

For Naval explosives, the labels will be printed on white, and for Land Service on blue paper.

The necessary amendments will be made to "Regulations for care and preservation of War Matériel and for Magazines, 1902," accordingly.

1049

NAVAL.

(SECTION IV.)

12522.—Projectiles, B.L., Q.F., or
Q.F.C., 6-inch.

Rebanding, or fitting, existing projectiles with
cupro-nickel driving bands for B.L. 6-inch
Marks VII. and VIII. guns in Naval Service.

A cupro-nickel driving band (design R.L. 13021) has been approved for banding such projectiles of the above-mentioned description as were originally banded with, or grooved for, the copper gascheck driving band (§ 8422), and are now required for use in B.L. Marks VII. or VIII. guns with the 29-lb. M.D. cordite charge (§ 12266) in Naval Service.

6th Jan. 1904.

75

12

4186

The band is similar in form to that illustrated in § 12267, but has an extended plain portion, flush with the body of the shell, to fill up the extra width of groove.

When fitted with the cupro-nickel driving band such projectiles will be distinguished by having a star (*) added to the existing numeral, and will be known under the following nomenclature (the "Mark" will be the existing numeral of the projectile with the addition of a star (*)) :—

Shell, B.L.—

Armour-piercing, 6-inch
gun

N

Steel ; for large base fuze ;
Marks VII. and VIII.
guns.

Shrapnel, 6-inch gun, cast
steel

N

Marks VII. and VIII.
guns.

Common lyddite, 6-inch
gun

N

Forged steel ; Marks VII.
and VIII. guns.

Common pointed, 6-inch
gun, cast steel

N

For large base fuze ;
Marks VII. and VIII.
guns.

Shot, B.L.—

Armour-piercing, 6-inch
gun

N

Steel ; Marks VII. and
VIII. guns.

Solid, 6-inch gun

N

Iron practice ; Marks VII.
and VIII guns.

1050

(SECTION V.)

12523.—Boxes, instructional—		Wood.
Fuzes. (Mark III.) ..	N	
Tubes and detonators. (Mark II.)	N	
S.A. and M.G. car- tridges. (Mark II.)	N	

Alteration of contents.

23rd July 1904.

N.O

15266

With reference to §§ 8955, 10520, 11327 :—In future, the contents of the above-mentioned boxes will be as follows :—

(This change will not involve any alteration in the numerals of the boxes.)

Box, fuzes.

	Marks.
Fuzes, percussion, direct-action, with plug, No. 3	IV.
Fuzes, percussion, direct-action, impact, No. 13—	
Whole, solid	IV.
Fuzes, percussion, base, Hotchkiss	IV.
" " " Armstrong, No. 9	III.
" " " large, No. 11	IV.
" " " medium, No. 12	IV.
" time, sensitive, middle, No. 24	I.
" " and percussion, middle, No. 54	III.
" " " No. 56	IV.
" " " No. 62	I.

Box, tubes and detonators.

Tubes, friction, quill, long	IV.
" " " short	VI.
" vent-sealing, percussion	IV.
" " " drill	I.
Cartridges, Q.F. or Q.F.C., primer, electric, large	V.
Cartridges, Q.F. or Q.F.C., adapter, con- verted	I.
Cartridges, Q.F. or Q.F.C., adapter	IV.
Fuzes, electric, No. 19	III.
Tubes, vent-sealing, electric, wireless, P	IV.
Detonators, electric, No. 9	IV.
" No. 15	III.

1051

Box, S.A. and M.G. cartridges.

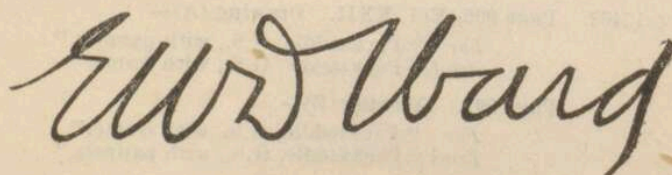
	Marks.
Cartridges, M.G., ball, .45-inch, cordite	I.
" S.A., ball, .303-inch, cordite	VI.
" S.A., blank, .303-inch, cordite, with mock bullet	VI.
" S.A., ball, pistol, Webley, cordite	II.
" aiming rifle, 1-inch, electric, M....	V.
" " " " K.N.	IV.

12524.—Mine, naval, 72-lb.—

Sinker, automatic,
Mark I.—Spanner, No. 3.
(Mark I.) .. NSteel; double-ended, for
nuts of pawl lever
spring and pawl lever
shackle.

With reference to § 11894:—The above-mentioned No. 3 17th March 1904.
spanner has been adopted for use with the "Sinker, automatic," N.O.
therein mentioned, for the purposes indicated in the details 14707
appended to nomenclature above.

By order of the Army Council,



WAR OFFICE,
1st December, 1904.

(667)

C

1052

ERRATA.

§ 11002. Page 575, Vol. XXI.—

Cap, sponge, No. 3, Mark I.—

Details appended to nomenclature—

Delete words "and cleaner"

57

Gen. No.

5141

§ 11678. Page 293, Vol. XXII.—

Fourth line from top of page—

For "raw linseed oil,"

Read "Oil, lubricating, for cylinders of oil engines."

§ 12134. Page 695, Vol. XXII.—

Harness, G.S.—

After "Bits, portmouth, reversible,"

Insert the following:—

"Bits portmouth, reversible—									
Heads, bridle	...	...	1	1	2	2			To be worn with Collars head."

§ 12462. Page 996, Vol. XXII. Drawing (A)—

For "Packsaddle, G.S., with pannels,"

Read "Packsaddle, G.S., with frame."

Page 997. Drawing (B)—

For "Packsaddle, G.S., with frame,"

Read "Packsaddle, G.S., with pannels."

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